

U.S. Serial No. 08/945,705
Reply to Office Action of: 03/18/2004
Family Number: P1995J032 USW

Page 2 of 12

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A ~~lubricating oil composition capable of maintaining its friction reducing properties~~ method for lubricating an engine so as to maintain the reduction of friction for a prolonged time under the conditions of use in ~~an~~ the engine comprising lubricating said engine with a lubricating oil composition comprising a lubricating base oil and additives consisting essentially of:

- (a) sulfoxymolybdenum dithiocarbamate containing a hydrocarbon group having 8 to 18 carbon atoms,
- (b) a zinc dialkyldithiophosphate component selected from the group consisting of:
 - (i) zinc dialkyldithiophosphate containing primary alkyl groups having 1 to 18 carbon atoms,
 - (ii) a mixture of zinc dialkyldithiophosphate containing primary alkly alkyl groups having 1 to 18 carbon atoms and zinc dialkyldithiophosphate containing secondary alkyl groups having 3 to 18 carbon atoms,
 - (iii) zinc dialkyldithiophosphate containing a primary alkyl group groups containing 1 to 18 carbon atoms, and one secondary alkyl group containing 3 to 18 carbons
 - (iv) mixtures thereof,
- (c) an alkylsalicylate component comprising a mixture of magnesium alkyl-salicylate and calcium alkylsalicylate, wherein the magnesium alkylsalicylate does not exceed 50% by weight of said alkylsalicylate component.

U.S. Serial No. 08/945,705
Reply to Office Action of: 03/18/2004
Family Number: P1995J032 USW

Page 3 of 12

wherein the amount of molybdenum derived from the sulfoxymolybdenum dithiocarbamate being is from 200 to 1000 ppm (weight basis) of the total weight of the composition,

the amount of phosphorous derived from the zinc dialkyldithiophosphate component being is from 0.04 to 0.15% by weight of the total weight of the composition and

the total amount of the alkylsalicylate component being is from 0.5 to 10% by weight of the total weight of the composition.

Claim 2 (Currently Amended) A lubricating oil composition capable of maintaining its friction reducing properties method for lubricating an engine so as to maintain the reduction of friction for a prolonged time under conditions of use in an the engine comprising lubricating said engine with a lubricating oil composition comprising a lubricating base oil and:

- (a) sulfoxymolybdenum dithiocarbamate containing a hydrocarbon group having 8 to 18 atoms,
- (b) a zinc dialkyldithiophosphate component selected from the group consisting of:
 - (i) zinc dialkyldithiophosphate containing primary alkyl groups having 1 to 18 carbon atoms,
 - (ii) a mixture of zinc dialkyldithiophosphate containing primary alkyl alkyl groups having 1 to 18 carbon atoms and zinc dialkyldithiophosphate containing secondary alkyl groups having 3 to 18 carbon atoms,

U.S. Serial No. 08/945,705
Reply to Office Action of: 03/18/2004
Family Number: P1995J032 USW

Page 4 of 12

(iii) zinc dialkyldithiophosphate containing a primary alkyl group groups containing 1 to 18 carbon atoms, and one secondary alkyl group containing 3 to 18 carbons

(iv) mixtures thereof,

(c) an alkylsalicylate component comprising a mixture of magnesium alkylsalicylate and calcium alkylsalicylate, wherein the magnesium alkylsalicylate does not exceed 50% by weight of said alkylsalicylate component.

(d) succinimide containing boron

wherein the amount of molybdenum derived from the sulfoxymolybdenum dithiocarbamate being is from 200 to 1000 ppm (weight basis) of the total weight of the composition,

the amount of phosphorous derived from the zinc dialkyldithiophosphate component being is from 0.04 to 0.15% by weight of the total weight of the composition and

the total amount of the alkylsalicylate component being is from 0.5 to 10% by weight of the total weight of the composition.

the amount of boron derived from the succinimide containing boron being is from 0.005 to 0.06% by weight of the total weight of the composition, and the boron/nitrogen ratio regarding the number of atoms contained in the succinimide contained boron is from 0.05 to 1.5.

Claim 3 (Currently Amended) The lubricating oil composition method of claim 1 or 2 wherein the lubricating base oil is a hydrocracked oil and/or a wax isomerized oil containing 3% by weight or less aromatics, a sulfur content of 50 ppm or less and a nitrogen content of 50 ppm or less.

U.S. Serial No. 08/945,705
Reply to Office Action of: 03/18/2004
Family Number: P1995J032 USW

Page 5 of 12

Claim 4 (Currently Amended) The lubricating oil composition method of claim 1 or 2 wherein the primary or secondary alkyl group of the zinc dialkyldithiophosphate contains 3 to 12 carbon atoms.

Claim 5 (Currently Amended) The lubricating oil composition method of claim 1 or 2 having wherein the lubricating oil composition has a total base number of 3 to 10.